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**From:** Hotchkiss, Andrew [Hotchkiss.Andrew@epa.gov]  
**Sent:** 3/23/2016 8:11:14 PM  
**To:** Salazar, Keith [Salazar.Keith@epa.gov]; Fritz, Jason [Fritz.Jason@epa.gov]  
**CC:** Lee, Janice [Lee.JaniceS@epa.gov]  
**Subject:** Re: Key Science Topics Needed  
**Attachments:** ETBE and TBA Science questions 020116\_JF AH.docx

OK. Looked over the document Jason sent around and made a few minor revisions to #3. Overall, I think this looks pretty good.

Janice - look ok to you? If so, I can forward to Vince and Samantha and cc' Vicki as well.

I do not have suggestions for a liver person. The NRC should come up with appropriate folks (think ultimately, it is up to them).

Let me know if any of this gives you pause.

Best regards,

Andrew

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Email: hotchkiss.andrew@epa.gov

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**From:** Salazar, Keith  
**Sent:** Wednesday, March 23, 2016 4:03 PM  
**To:** Hotchkiss, Andrew; Fritz, Jason  
**Cc:** Lee, Janice  
**Subject:** Re: Key Science Topics Needed

Looks fine. I have a couple of questions.

1) RDX has a question on PBPBK. Do we want one for ETBE and TBA? I'm not sure if we had one before and deleted it.

2) Do we have any expert requests for liver? Jason, do you know of people we should ask?

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**From:** Hotchkiss, Andrew  
**Sent:** Wednesday, March 23, 2016 3:19 PM  
**To:** Fritz, Jason; Salazar, Keith  
**Cc:** Lee, Janice  
**Subject:** Re: Key Science Topics Needed

Sorry! My bad... Too many things going on right now. Janice and Keith - take a look over these questions (I will too and respond if they seem alright with you).

Thanks Jason!

Best regards,

Andrew

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**From:** Fritz, Jason  
**Sent:** Wednesday, March 23, 2016 3:17 PM  
**To:** Salazar, Keith  
**Cc:** Hotchkiss, Andrew; Lee, Janice  
**Subject:** RE: Key Science Topics Needed

I responded to your original email back in Feb, although only to note that the science question weren't due until now. I made some tweaks to the thyroid question, attached.  
jf

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**From:** Salazar, Keith  
**Sent:** Wednesday, March 23, 2016 3:07 PM  
**To:** Fritz, Jason <Fritz.Jason@epa.gov>; Hotchkiss, Andrew <Hotchkiss.Andrew@epa.gov>; Lee, Janice <Lee.JaniceS@epa.gov>  
**Subject:** Re: Key Science Topics Needed

I guess my question is more for Andrew then.  
Andrew, do we need to respond to Vicki or has someone already done this? I didn't see a response from anyone in the TBA/ETBE group regarding this email thread she started a while back.

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**From:** Fritz, Jason  
**Sent:** Wednesday, March 23, 2016 3:01 PM  
**To:** Salazar, Keith; Hotchkiss, Andrew; Lee, Janice  
**Subject:** RE: Key Science Topics Needed

I know that Andrew had made some tweaks to a SAB charge question on the cancer quantitation yesterday, what I don't know is how much (if any) of those changes to the SAB charge questions need to be reflected in the public discussion science questions?  
jf

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**From:** Salazar, Keith  
**Sent:** Wednesday, March 23, 2016 2:41 PM  
**To:** Hotchkiss, Andrew <[Hotchkiss.Andrew@epa.gov](mailto:Hotchkiss.Andrew@epa.gov)>; Lee, Janice <[Lee.JaniceS@epa.gov](mailto:Lee.JaniceS@epa.gov)>; Fritz, Jason <[Fritz.Jason@epa.gov](mailto:Fritz.Jason@epa.gov)>  
**Subject:** Fw: Key Science Topics Needed

Where are we on this? Are the ETBE and TBA key science questions circulate earlier sufficient to send to Vicki?

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**From:** Soto, Vicki  
**Sent:** Wednesday, March 23, 2016 2:14 PM  
**To:** Salazar, Keith; Lee, Janice  
**Cc:** Cogliano, Vincent; Jones, Samantha; Perovich, Gina; Subramaniam, Ravi; Hotchkiss, Andrew; Rieth, Susan; D'Amico, Louis; Newhouse, Kathleen  
**Subject:** RE: Key Science Topics Needed

Hi – I just wanted to pass this around to check on the availability of the key science topics. These will be put up on the initial June meeting website and we will also use them as a basis for our preliminary discussions with NRC. The NRC meeting will be scheduled next week or early the following week.

Thanks,  
Vicki

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**From:** Soto, Vicki  
**Sent:** Friday, March 04, 2016 4:18 PM  
**To:** Salazar, Keith <[Salazar.Keith@epa.gov](mailto:Salazar.Keith@epa.gov)>; Lee, Janice <[Lee.JaniceS@epa.gov](mailto:Lee.JaniceS@epa.gov)>; Newhouse, Kathleen <[Newhouse.Kathleen@epa.gov](mailto:Newhouse.Kathleen@epa.gov)>  
**Cc:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Subramaniam, Ravi <[Subramaniam.Ravi@epa.gov](mailto:Subramaniam.Ravi@epa.gov)>; Hotchkiss, Andrew <[Hotchkiss.Andrew@epa.gov](mailto:Hotchkiss.Andrew@epa.gov)>; Rieth, Susan <[Rieth.Susan@epa.gov](mailto:Rieth.Susan@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>  
**Subject:** RE: Key Science Topics Needed

Hi everyone,

I wanted to bring this email back out into the open again. Our 90-day window to meet with NRC ahead of the public science meeting will be coming up near the end of March. We will also be preparing an initial version of the June meeting website. For both of these, we will need to have your key science topics in advance. Please start to prepare these and send them to us by March 23.

We'll be scheduling a meeting with you and NRC where we can discuss the meeting and the key science topics. A few days before the meeting with NRC, we can schedule a meeting internally in NCEA. I will also be contacting you to help me draft some information for the website and in reviewing that material before it is released. The initial website needs to go out on March 29. The draft materials will be posted on April 29 (60 days ahead).

Kathleen – I still have the materials you sent earlier.

If you want to see how the website for the May meeting looks, please visit: <http://www.epa.gov/iris/iris-public-science-meeting-may-2016>

IRIS Public  
Science  
Meeting  
(May  
2016) |  
Integrated  
Risk ...

[www.epa.gov](http://www.epa.gov)

Meeting  
Objective: IRIS  
public science  
meetings  
allow the  
public the  
opportunity to  
provide input  
and  
participate in  
discussions  
about draft  
IRIS  
assessment  
materials.

Thanks -- Vicki (please let me know if you have any questions)

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**From:** Soto, Vicki

**Sent:** Tuesday, January 19, 2016 11:01 AM

**To:** Rieth, Susan <[Rieth.Susan@epa.gov](mailto:Rieth.Susan@epa.gov)>; D'Amico, Louis <[DAmico.Louis@epa.gov](mailto:DAmico.Louis@epa.gov)>; Salazar, Keith <[Salazar.Keith@epa.gov](mailto:Salazar.Keith@epa.gov)>; Lee, Janice <[Lee.JaniceS@epa.gov](mailto:Lee.JaniceS@epa.gov)>; Newhouse, Kathleen <[Newhouse.Kathleen@epa.gov](mailto:Newhouse.Kathleen@epa.gov)>

**Cc:** Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Subramaniam, Ravi <[Subramaniam.Ravi@epa.gov](mailto:Subramaniam.Ravi@epa.gov)>; Hotchkiss, Andrew <[Hotchkiss.Andrew@epa.gov](mailto:Hotchkiss.Andrew@epa.gov)>; Soto, Vicki <[Soto.Vicki@epa.gov](mailto:Soto.Vicki@epa.gov)>

**Subject:** Key Science Topics Needed

Hi everyone,

We are beginning work on planning the first two IRIS Public Science Meetings for 2016. The dates, along with the chemicals that will be discussed, are:

Public Meeting Dates	Chemical(s)
April 27-28, 2016	RDX
June 29-30	TBA ETBE BaP

As part of this process, NRC will be identifying experts for each of these chemicals who will participate in these meetings. Sometime during the next 2 weeks IRIS will be meeting with NRC so they can begin the expert identification process. IRIS will also provide NRC with several Key Science Topics (also previously called Key Science Questions) that will be used when identifying experts. NRC will be making them available on their website during this process. The Key Science Topics will also be used during the meeting to organize and focus the discussions.

You should draft and finalize a short document describing the Key Science Topics for your chemical assessments. In some cases, these may have already been drafted (they can be pulled out and dusted off). In addition to the science topics, please prepare a list of any experts you might want to make NRC aware of. Email a preliminary draft of your science topics and experts to Vince, Gina, Samantha, and Vicki by **February 1, 2016**. A final version of will be due by **February 8**.

For examples of previous Science Topics please see:

#### Key Science Topics

PCBs (June 2015 public science meeting): <http://www.epa.gov/iris/iris-public-meeting-jun-2015>

#### Key Science Questions

BBP, DIBP, DBP (February 2015 pubic science meeting): <http://www.epa.gov/iris/iris-public-science-meeting-feb-2015>

Keep in mind that assessment documents for these meetings need to be released 60 days ahead for their public comment period (see below).

Public Meeting Dates	Chemical(s)	Materials Release Dates (60 Days before)
April 27-28, 2016	RDX*	Feb 27, 2016
June 29-30	TBA ETBE BaP	April 30

\*Will also need a Federal Register Notice.

Thanks so much,  
Vicki

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ORD/NCEA

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